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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=2; day=12; hr=14; min=32; sec=39; ms=204;]

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Reviewer Comments:

<210> 4

<211> 24

<212> DNA

<213> Artificial

<220>

<223> ACTB (beta actin) primer BAR

<400> 4

tcacccacac tgtgcccatc tacga

25

Although the above <211> response is "24," 25 nucleotides are shown in
this sequence. Same error in Sequence 19.

<210> 12

<211> 23

<212> DNA

<213> Artificial

<220>

<223> CFTR (cystic fibrosis transmembrane conductance regulator) Primer
CFT01

<400> 12

aggcctagtt gtcttacagt cct

23

FYI: please ensure that lines do not exceed 72 characters, per Sequence
Rules.

Application No: 10506958 Version No: 1.0

Input Set:**Output Set:**

Started: 2008-02-12 11:09:30.840
Finished: 2008-02-12 11:09:32.068
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 228 ms
Total Warnings: 21
Total Errors: 2
No. of SeqIDs Defined: 21
Actual SeqID Count: 21

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 253	The number of bases differs from <211> Input: 24 Calculated:25
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)

Input Set:

Output Set:

Started: 2008-02-12 11:09:30.840
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Total Warnings: 21
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Actual SeqID Count: 21

Error code	Error Description
E 253	The number of bases differs from <211> Input: 24 Calculated:25
W 213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed

<110> Braven, Helen
Keay, Russell

<120> Nucleic acid probes, their synthesis and use

<130> ATLAS 8095 US

<140> 10506958

<141> 2008-02-12

<141> 2005-05-02

<150> PCT/GB03/000613

<151> 2003-02-11

<160> 21

<170> PatentIn version 3.4

<210> 1

<211> 26

<212> DNA

<213> Artificial

<220>

<223> ACTB (beta actin) probe BAPR

<400> 1

atgccctccc ccatgccatc ctgcgt

26

<210> 2

<211> 25

<212> DNA

<213> Artificial

<220>

<223> ACTB (beta actin) Probe C9-T1BAPR

<220>

<221> misc_feature

<222> (1)..(1)

<223> amino modified thymine with C9 linker, Formula IV

<400> 2

tgccctcccc catgccatcc tgcgt

25

<210> 3

<211> 25

<212> DNA

<213> Artificial

<220>

<223> ACTB (beta actin) primer BAF

<400> 3

cagcggaacc gctcattgcc aatgg	25
<210> 4	
<211> 24	
<212> DNA	
<213> Artificial	
<220>	
<223> ACTB (beta actin) primer BAR	
<400> 4	
tcacccacac tgtgcccac tacga	25
<210> 5	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> ACTB (beta actin) primer BAFR	
<400> 5	
caggtcccgg ccagccag	18
<210> 6	
<211> 18	
<212> DNA	
<213> Artificial	
<220>	
<223> C282Y (HFE gene, C282Y mutation) Probe C282YP	
<400> 6	
atatacgtgc caggtgga	18
<210> 7	
<211> 19	
<212> DNA	
<213> Artificial	
<220>	
<223> C282Y (HFE gene, C282Y mutation) Primer C282YF	
<400> 7	
ctggataact tggctgtac	19
<210> 8	
<211> 19	
<212> DNA	
<213> Artificial	
<220>	
<223> C282Y (HFE gene, C282Y mutation) Primer C282YR	
<400> 8	
tcagtcacat accccagat	19

<210> 9
 <211> 18
 <212> DNA
 <213> Artificial

 <220>
 <223> H63D (HFE gene, H63F mutation) Probe H63DP

 <400> 9
 atatacgtgc caggtgga 18

 <210> 10
 <211> 22
 <212> DNA
 <213> Artificial

 <220>
 <223> H63D (HFE gene, H63F mutation) Primer H63DF

 <400> 10
 cttggtcttt ccttggttga ag 22

 <210> 11
 <211> 22
 <212> DNA
 <213> Artificial
 <220>
 <223> H63D (HFE gene, H63F mutation) Probe H63DR

 <400> 11
 acatctggct tgaaattcta ct 22

 <210> 12
 <211> 23
 <212> DNA
 <213> Artificial

 <220>
 <223> CFTR (cystic fibrosis transmembrane conductance regulator) Primer
 CFT01

 <400> 12
 aggccatggt gtcttacagt cct 23

 <210> 13
 <211> 21
 <212> DNA
 <213> Artificial

 <220>
 <223> CFTR (cystic fibrosis transmembrane conductance regulator) Primer
 CFT03

 <400> 13
 tgccccctaa tttgttactt c 21

 <210> 14

<211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> G6PC (glucose-6-phosphatase) probe GSDPR

 <400> 14
 tgtggatgtg gctgaaagtt tctgaac 27

 <210> 15
 <211> 18
 <212> DNA
 <213> Artificial

 <220>
 <223> G6PC (glucose-6-phosphatase) Primer GSDw

 <400> 15
 ccgatggcga agctgaac 18

 <210> 16
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> G6PC (glucose-6-phosphatase) Primer GSDcom

 <400> 16
 tgctttcttc cactcaggca 20

 <210> 17
 <211> 29
 <212> DNA
 <213> Artificial

 <220>
 <223> ACADM (medium chain acyl-CoA dehydrogenase) Probe MC11PR

 <400> 17
 ctagaatgag ttaccagaga gcagcttgg 29

 <210> 18
 <211> 20
 <212> DNA
 <213> Artificial

 <220>
 <223> ACADM (medium chain acyl-CoA dehydrogenase) Primer MC11w

 <400> 18
 gctggctgaa atggcaatga 20

 <210> 19
 <211> 24
 <212> DNA

<213> Artificial

<220>

<223> ACADM (medium chain acyl-CoA dehydrogenase) Primer MC11com

<400> 19

ctgcacagca tcagtagcta actga

25

<210> 20

<211> 43

<212> DNA

<213> Artificial

<220>

<223> Hairpin oligonucleotide reHP

<220>

<221> misc_feature

<222> (1)..(1)

<223> C12 amino modified at the 5' end

<400> 20

cagaatacag caggtgctcg cccgggcgag cacctgtatt ctg

43

<210> 21

<211> 40

<212> DNA

<213> Artificial

<220>

<223> Single strand oligonucleotide reBAF

<220>

<221> misc_feature

<222> (1)..(1)

<223> C12 amino modified at the 5' end

<400> 21

cagattacag caggttcacc cacactgtgc ccacttacga

40